



Design No. XR736
BYBU.XR736
Fire-resistance Ratings - ANSI/UL 1709

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- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

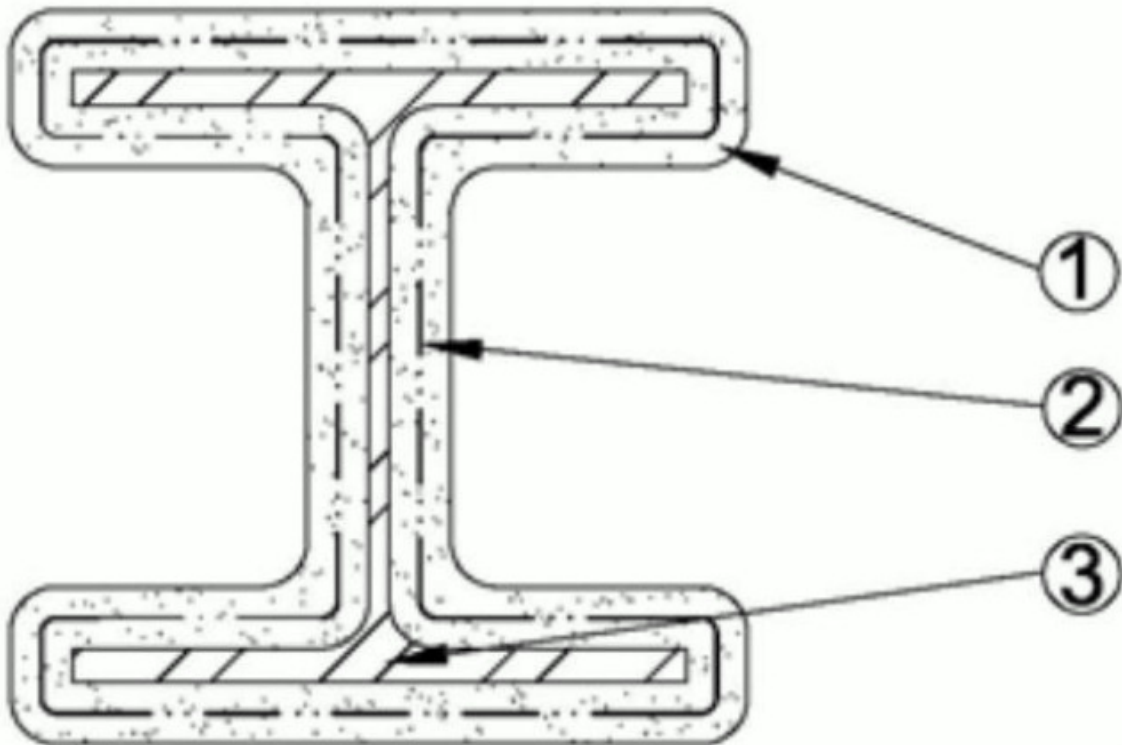
BYBU - Fire-resistance Ratings - ANSI/UL 1709

[See General Information for Fire-resistance Ratings - ANSI/UL 1709](#)

Design No. XR736

January 10, 2017

Ratings-1, 1-1/2, 2 and 2-1/2 Hr.



1. **Spray-Applied Fire-Resistive Materials*** — See table below for appropriate thicknesses. Applied by mixing with water according to instructions printed on each bag of mixture and spraying in one or more coats, as necessary (Mix each 21 kg bag with 12 liters of water for 3 minutes. For the initial application, 1 bag of BOVIA 271 is mixed with 2 liters KSL362 and 12 liters water and applied as a base layer.), directly to the column which must be clean and free of dirt, loose scale and oil. The spray-applied fire-resistive materials may also be trowel-applied to the steel surfaces in multi-

layers. Min avg and min ind density of 51/47 pcf, respectively. For method of density ination, see Design Information Section.

Rating Hr	Min Thkns In.
1	25 (1)
1-1/2	31 (1-1/4)
2	37 (1-1/2)
2-1/2	42 (1-11/16)

BOVIA INC — BOVIA 271

2. **Reinforcing Mesh** — Min No. 23 SWG galvanized steel wire with steel pin fixings (welded fixing) to hold the mesh spaced vertically 8-12 in. O.C on each surface of the column. Mesh embedded at approximate mid-depth in Spray-Applied Fire Resistive Material with a min. 3 inch overlap.

LUCKY CORE INSULATING MATERIALS MANUFACTURING LLC — BOVIA 271

3. **Steel Column** — Min size W10x49

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